

# Converting Colors

$Y_{xy}(79.3690, 0.2368, 0.3252)$

Have a look what the booklet for  
Yxy(79.3690, 0.2368, 0.3252)  
contains.

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# Color

**Yxy(79.3822, 0.2368, 0.3253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61FCFF
RGB	97, 252, 255
RGB Percent	38%, 99%, 100%
CMY	0.6196, 0.0117, 0.0001
CMYK	0.62, 0.01, 0.00, 0.00
HSL	181°, 100%, 69%
HSV	181°, 62%, 100%
XYZ	57.7858, 79.3822, 106.8597
YIQ	205.9970, -93.3430, -31.9270

# Conversions

## Conversions Part 2

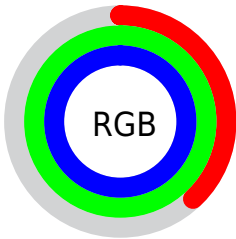
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 175, 255
Decimal	6421759
CIE <sub>Lab</sub>	91.41, -39.39, -13.57
CIE <sub>LCh</sub>	91, 41.657, 199.010
Yxy	79.3822, 0.2368, 0.3253
Android (android.graphics.Color)	4284611839 (0xFF61FCFF)
YUV	205.9970, 24.1585, -95.5904
Hunter-Lab	89.0967, -40.1488, -8.7428

# Details

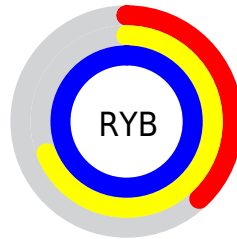
The Yxy color **79.3822, 0.2368, 0.3253** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.2255, 0.5101, 0.3323**, and the grayscale version is **61.6073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **43.1074, 0.2234, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **77.9023, 0.2306, 0.3247**, and if you desaturate by 10%, it is **81.3188, 0.2449, 0.3259**.

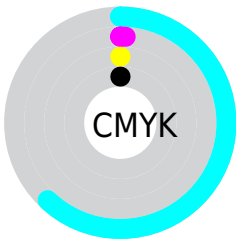
# Distribution



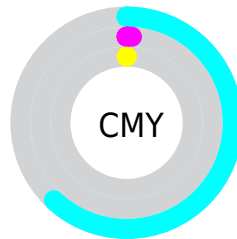
- Red (38%)
- Green (99%)
- Blue (100%)



- Red (38%)
- Yellow (69%)
- Blue (100%)



- Cyan (62%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.3822, 0.2368, 0.3253 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 79.3822, 0.2368, 0.3253 by changing the saturation by 10% instead.




 79.3822, 0.2368,  
0.3253

 79.3822, 0.2368,  
0.3253


492.8484, 0.2704,  
0.3280

 59.2101, 0.2295,  
0.3245


 132.4968, 0.2482,  
0.3264

 42.7823, 0.2207,  
0.3233


 166.2081, 0.2527,  
0.3268

 29.7143, 0.2098,  
0.3218


 205.2012, 0.2566,  
0.3271

 19.6219, 0.1961,  
0.3194

249.8606, 0.2600,  
0.3274

 12.1205, 0.1785,  
0.3159

300.5706, 0.2631,  
0.3276

 6.8258, 0.1550,  
0.3100

357.7156, 0.2658,

 3.3534, 0.1228,

0.3277

0.2993

421.6801, 0.2682,  
0.3279

■ 1.3189, 0.0517,  
0.2855

■ 0.1558, 0.0000,  
0.1215

■ 79.3822, 0.2368,  
0.3253

■ 79.3822, 0.2368,  
0.3253

■ 77.9023, 0.2306,  
0.3247

■ 81.3188, 0.2449,  
0.3259

■ 76.8251, 0.2264,  
0.3240

■ 83.7419, 0.2549,  
0.3266

■ 76.0996, 0.2240,  
0.3234

■ 86.6894, 0.2667,  
0.3272

■ 75.7058, 0.2230,  
0.3229

■ 90.1928, 0.2799,  
0.3278

■ 94.2813, 0.2943,  
0.3284

■ 98.9819, 0.3096,  
0.3289

■ 99.9982, 0.3127,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3822, 0.2692, 0.3739



79.3822, 0.2368, 0.3253



79.3822, 0.2240, 0.2829

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.3822, 0.2368, 0.3253



79.3822, 0.3044, 0.2629



79.3822, 0.3977, 0.3976

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.3822, 0.2368, 0.3253



31.2255, 0.5101, 0.3323

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.3822, 0.4102, 0.3634



79.3822, 0.2368, 0.3253



79.3822, 0.3541, 0.2890

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.3822, 0.2368, 0.3253



79.3822, 0.2605, 0.2514



79.3822, 0.3941, 0.3246



79.3822, 0.3621, 0.4165



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.3822, 0.2368, 0.3253



79.3822, 0.2273, 0.2638



79.3822, 0.3941, 0.3246



79.3822, 0.4048, 0.3873

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.3852, 0.2368, 0.3253



91.3619, 0.2841, 0.3280



74.9568, 0.3024, 0.5275



19.3175, 0.2800, 0.3278



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

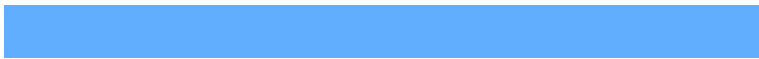
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3852, 0.2368, 0.3253



77.6698, 0.2296, 0.3245



39.7825, 0.2134, 0.2235



20.4195, 0.2980, 0.3285



39.5942, 0.2231, 0.3230



3.8731, 0.2233, 0.3237



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.8330, 0.3222, 0.1881



32.1856, 0.3236, 0.1716



54.2056, 0.4493, 0.4098



18.2942, 0.3141, 0.3060



14.7250, 0.3257, 0.1568

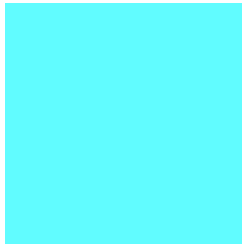


1.4355, 0.3251, 0.1564



# Previews

## White Background



This preview shows how the Yxy color 79.3822, 0.2368, 0.3253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

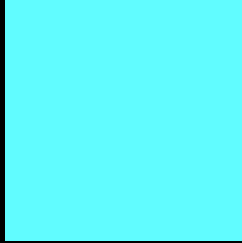
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.3822, 0.2368, 0.3253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.3822, 0.2368, 0.3253**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.3822, 0.2368, 0.3253.

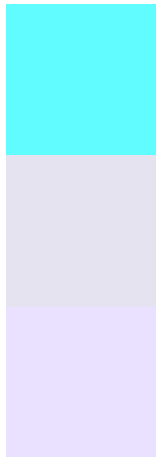


This preview shows how white text looks on a background with the Yxy color 79.3822, 0.2368, 0.3253.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

79.3822, 0.2368, 0.3253

### Protanopia

77.8875, 0.3058, 0.3155

### Deuteranopia

78.0237, 0.2999, 0.2976



## Tritanopia

78.8313, 0.2613, 0.3144

# Trichromacy



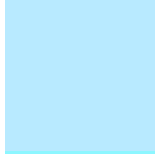
## Original Color

79.3822, 0.2368, 0.3253



## Protanomaly

76.4072, 0.2735, 0.3189



## Deuteranomaly

76.2560, 0.2697, 0.3059



## Tritanomaly

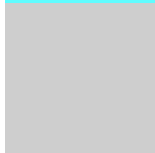
78.7943, 0.2506, 0.3186

# Monochromacy



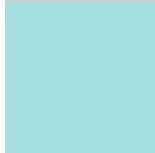
## Original Color

79.3822, 0.2368, 0.3253



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.2642, 0.2748, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.3822, 0.2368, 0.3253 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(97, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 252, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(97, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.3822, 0.2368, 0.3253 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 252, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(97, 252, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(97, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 252,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.3822, 0.2368, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 252, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(97, 252,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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